146.1353

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: :
ANITA DIU-HERCEND et al   :
Serial No.: 09/674,109   :
Filed: October 24, 2000   :
For: METHOD...FROM S. CEREVISIAE   :

600 Third Avenue
New York N.Y. 10016
May 21, 2002

RESPONSE

Asst. Commissioner for Patents
Washington, D.C. 20231

Sir:

Responsive to the notice of missing parts with respect to the sequence listing, Applicants are submitting herewith a paper copy of the sequence listing and a computer diskette in computer readable form. The content of the paper and the disk are the same and where applicable, include no new matter as required by 37 CFR 1.821(e), 1.821(f), 1.821(g), 1.825(b) or 1.825(d). Also enclosed is a copy of the notice. Therefore, it is believed that the filing of the application is complete and it is requested that the application be forwarded to the group for examination in due course.

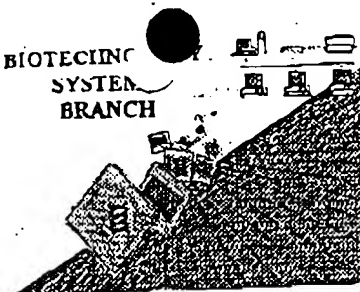Respectfully submitted,
Bierman, Muserlian and Lucas

By: _____
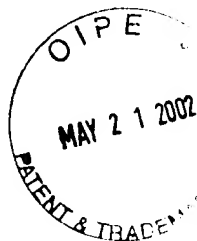Charles A. Muserlian #19,683
Attorney for Applicants
Tel.# (212) 661-8000

Should any extensions of time or fees be necessary in order to maintain this application in pending condition, appropriate requests are hereby made and authorization is given to debit account #02-2275

CAM:ds
Enclosures

_____
Donald C. Lucas 31,275

BIOTECHNC
SYSTEN
BRANCH

Burx

RAW SEQUENCE LISTING
ERROR REPORT

OIPE

MAY 2 1 2002

PATENT & TRADE

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: *09/674,109*

Source: *Pct 09*

Date Processed by STIC: *5-29-01*

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY
FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703 308 4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE <u>CHECKER VERSION 3.0 PROGRAM</u>, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:
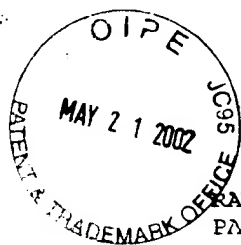
Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.
Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).
Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

<u>Checker Version 3.0 can be down loaded from the USPTO website at the following address:</u>
http://www.uspto.gov/web/offices/pac/checker

RAW SEQUENCE LISTING   DATE: 05/29/2001
PATENT APPLICATION: US/09/674,109   TIME: 15:37:28

Input Set : A:\SeqListing.APP.txt
Output Set : C:\CRF3\05292001\I674109.raw

3 <110> APPLICANT: HOECHST MARION ROUSSEL
5 <120> TITLE OF INVENTION: METHOD FOR SCREENING ANTIMYCOTIC SUBSTANCES USING
6   ESSENTIAL GENES FROM S.CEREVISIAE

Does Not Comply
Corrected Diskette Needed

8 <130> FILE REFERENCE: 16363FC RUU 7
--> 10 <140> CURRENT APPLICATION NUMBER: US/09/674,109
--> 11 <141> CURRENT FILING DATE: 2000-11-22
13 <150> PRIOR APPLICATION NUMBER: 98402254.1
14 <151> PRIOR FILING DATE: 1998-09-11
16 <150> PRIOR APPLICATION NUMBER: 98401007.4
17 <151> PRIOR FILING DATE: 1998-04-24
--> 19 <160> NUMBER OF SEQ ID NOS: 180 See p.3
21 <170> SOFTWARE: Patentin ver. 2.1

RORED SEQUENCES

1337 <210> SEQ ID NO: 106
1338 <211> LENGTH: (62)   *Seq #106, number of bases differ:*
1339 <212> TYPE: DNA   *- 62 listed*
1340 <213> ORGANISM: Artificial Sequence   *- 59 shown*
1342 <220> FEATURE:
1343 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
1344   YML049c-S1
1346 <400> SEQUENCE: 106
-> 1347 aattcctgct cattcaagga aagtctcagg aaattttcac cagatgaagc ttcgtacgc (59)
1474 <210> SEQ ID NO: 117
1475 <211> LENGTH: (59)   *Seq #117, number of bases differ*
1476 <212> TYPE: DNA   *- 59 listed*
1477 <213> ORGANISM: Artificial Sequence   *- 62 shown*
1479 <220> FEATURE:
1480 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
1481   YMR211w-S2
1483 <400> SEQUENCE: 117
1484 atttcaatca tcttactccg tgaatcaggt tcggaatgat gcataggcca ctagtggatc 60
-> 1485 tg   (62)
2265 <210> SEQ ID NO: 180
2266 <211> LENGTH: 62
2267 <212> TYPE: DNA
2268 <213> ORGANISM: Artificial Sequence
2270 <220> FEATURE:
2271 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
2272   YPR137w-S2
2274 <400> SEQUENCE: 180
2275 aaaagcctgt ttggtcaatg acagctgaat ctataccatt gcataggcca ctagtggatc 60
2276 tg   62
-> 2279 imer
-> 2280   ymr290c s1   See p.3

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/674,109

DATE: 05/29/2001
TIME: 15:37:29

Input Set : A:\SeqListing.APP.txt
Output Set: C:\CRF3\05292001\I674109.raw

```
--> 2282 <210> SEQ ID NO:
--> 2282 <211> LENGTH:
--> 2282 <212> TYPE:
--> 2282 <213> ORGANISM:
--> 2282 <400> SEQUENCE: 105
     2283 tgagttttac gtcttttggt atttggcgtt tttccactgg cagctgaagc ttcgtacgc   59
     2285 <210> SEQ ID NO: 106
     2286 <211> LENGTH: 62
     2287 <212> TYPE: DNA
     2288 <213> ORGANISM: Artificial Sequence
     2290 <220> FEATURE:
     2291 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
     2292       YML049c-S1
     2294 <400> SEQUENCE: 106
--> 2295 aattcctgct cattcaagga aagtctcagg aaatttcac cagctgaagc ttcgtacgc   59
     2422 <210> SEQ ID NO: 117
     2423 <211> LENGTH: 59
     2424 <212> TYPE: DNA
     2425 <213> ORGANISM: Artificial Sequence
     2427 <220> FEATURE:
     2428 <223> OTHER INFORMATION: Description of Artificial Sequence: primer
     2429       YMR211W-S2
     2431 <400> SEQUENCE: 117
     2432 atttcaatca tcttactccg tgaatcaggt tcggaatgat gcatagacca ctagtggatc   60
                                                                            62
--> 2433 tg
```

Disregard, these are errors due to the duplication of sequences 105 to 153 as shown on p.3.

09/674,109   p. 3

<210> 180 → Seg. 180 - listed as last on the file.
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
      YER137w-S2

<400> (100)
aaaagcctgt ttggtcaatg acayctgaat atataccatt gcataggcca ctagtggatc 60
tg

*After sequence 180, the listing starts
over at sequence # 105 and goes to
sequence # 153. All of this duplication
must be deleted from the file.*

delete   YMR290c-S1

<400> (105)
tgagttttac atcttttggt atttggcgtt tttccactgg cagctgaagc ttcgtacgc 59

<210> 106
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
      YML049c-S1

<400> 106
aattcctgct cattcaagga aagtctcagg aaattttcac cagctgaagc ttcgtacgc 59

<210> 107
<211> 62
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: primer
      YMR290c-S2

<400> 107

VERIFICATION SUMMARY   DATE: 05/29/2001
PATENT APPLICATION: US/09/674,109   TIME: 15:37:30

Input Set : A:\SeqListing.APP.txt
Output Set: C:\CRF3\05292001\1674109.raw

:10 M:270 C: Current Application Number differs, Replaced Application Number
:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
:1347 M:252 E: No. of Seq. differs, <211>LENGTH:Input:62 Found:59 SEQ:106
:1405 M:252 E: No. of Seq. differs, <211>LENGTH:Input:59 Found:62 SEQ:117
:2279 M:334 W: (2) Invalid Amino Acid in Coding Region, NUMBER OF INVALID KEYS:1
:2280 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:180
:2280 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:68 SEQ:180
:2280 M:320 E: (1) Wrong Nucleic Acid Designator, NUMBER OF INVALID KEYS:4
:2280 M:112 C: (48) String data converted to lower case,
:2280 M:252 E: No. of Seq. differs, <211>LENGTH:Input:62 Found:68 SEQ:180
:2282 M:292 W: Numeric Field Identifier Missing, <210> is required.
:2282 M:282 W: Numeric Field Identifier Missing, <211> is required.
:2282 M:282 W: Numeric Field Identifier Missing, <212> is required.
:2282 M:282 W: Numeric Field Identifier Missing, <213> is required.
:2282 M:212 E: (34) Invalid or duplicate Sequence ID Number, SEQUENCE ID NOS:180 differs:105
:2295 M:252 E: No. of Seq. differs, <211>LENGTH:Input:62 Found:59 SEQ:106
:2433 M:252 E: No. of Seq. differs, <211>LENGTH:Input:59 Found:62 SEQ:117
:19 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (180) Counted (228)